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NOTICE OF ALLOWANCE AND FEE(S) DUE

23373

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05/22/2008

SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037 EXAMINER

RAMAKRISHNAIAH, MELUR

ART UNIT PAPER NUMBER

2614

DATE MAILED: 05/22/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/603.614	06/26/2003	Walter Kailbach	O76006	4481

TITLE OF INVENTION: M:N PATH PROTECTION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	08/22/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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WASHINGTON	, DC 20037						(Depositor's name)
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10/603,614 ITLE OF INVENTION	06/26/2003 : M:N PATH PROTECT	ION	Walter Kailbach			Q76006	4481
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Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up or agents OR, altern (2) the name of a si registered attorney of 2 registered patent a	the names of up to 3 registered patent attorneys gents OR, alternatively, the name of a single firm (having as a member a sistered attorney or agent) and the names of up to gistered patent attorneys or agents. If no name is ed, no name will be printed.			
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10/603,614	06/26/2003	Walter Kailbach	Q76006 4481		
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SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W.			RAMAKRISHNAIAH, MELUR		
			ART UNIT	PAPER NUMBER	
SUITE 800 WASHINGTON, I	OC 20037		2614 DATE MAILED: 05/22/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1238 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1238 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/602 614	VAII DACH ET AL
Notice of Allowability	10/603,614 Examiner	KAILBACH ET AL. Art Unit
	Malus Damaluiahu siah	2014
	Melur Ramakrishnaiah	2614
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT IN of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in to 5) or other appropriate commun RIGHTS. This application is sub-	his application. If not included ication will be mailed in due course. THIS
1. \square This communication is responsive to <u>3-6-2008</u> .		
2. The allowed claim(s) is/are <u>1-16</u> .		
 3. Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	ve been received.	
3. Copies of the certified copies of the priority d	ocuments have been received i	n this national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be sub- INFORMAL PATENT APPLICATION (PTO-152) which gives		
5. CORRECTED DRAWINGS (as "replacement sheets") mu	ust be submitted.	
(a) \square including changes required by the Notice of Draftspe	rson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examine Paper No./Mail Date	r's Amendment / Comment or ir	n the Office action of
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in		
6. DEPOSIT OF and/or INFORMATION about the department attached Examiner's comment regarding REQUIREMENT		
Attachment(s)		
1. Notice of References Cited (PTO-892)		rmal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No./M	ail Date
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	7. ☐ Examiner's A	mendment/Comment
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's St	tatement of Reasons for Allowance
of Biological Material	9.	
	/Melur Ramakrishna Primary Examiner, A	

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Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance: The invention relates to the field of telecommunications and more particularly to a method and corresponding network element for path protection in a transmission network.

The prior art of record in combination or alone fails to teach or suggest the following elements of independent claims 1, 12, 13 and 14 in combination with other elements. For example independent claim 1 has claim limitations such as providing at least one protected path segment between a first network element and a second network element, providing at least one protection path segment between the first and second network elements, creating a tandem connection along the protected path segment between the first and second network elements, detecting a failure on the protected path by means of a tandem connection monitoring in the second network element, and upon detection of the failure, inserting a tandem connection defect indication into a reverse traffic signal, bridging the reverse traffic signal to the protection path segment, and selecting the protection path segment to receive a traffic signal from the first network element, wherein the defect indication being transmitted on the protected path segment at least as long as the failure persists. Independent claim 12 has claim limitations such as detecting a failure on the protected path segment, and bridging a traffic signal to be transmitted over the failed protected path segment to the protection path segment, wherein the method is characterized by the use of a tandem connection monitoring function to detect the failure and a tandem connection defect indication to communicate the occurrence of the failure from the second to the first

network element and initiating the bridging step, wherein the bridging step is performed by the first network element in accordance with the defect indication that is transmitted from the second network element to the first network element, and wherein if the failure is cleared, a bridge from the protected path segment to the protection path segment provided by the bridging step is removed. Independent claim 13 has claim limitations such as receive and transmit traffic signal on at least one protected path segment to a far end network element, receive and transmit traffic signals on at least one protection path segment to the same far end network element, create a tandem connection along the protected path segment, detect a failure on the protected path segment by means of a tandem connection monitoring function, and upon detection of a failure to insert a tandem connection defect indication into a reverse traffic signal to bridge the reverse traffic signal to the protection path segment, and to select the protection path segment to receive a traffic signal from the first network element, the defect indication being transmitted on the protected path segment as long as the failure persists. Independent claim 14 has claim limitations such as provide at least one protected path segment between the first network element and a second network element that use a tandem monitoring function to detect failure on the protected path, provide at least one protection path segment between the first and second network elements, and upon occurrence of the failure on the protected path detected and communicated by the second network element, provide the protection path as a new working path between the first and second network elements, wherein the provision of the new working path is performed such that the first network element bridges a traffic signal to be transmitted

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over the failed protected path segment to the protection path segment in accordance with a defect indication transmitted from the second network elements to the first network element, and wherein if the failure is cleared, a bridge from the protected path segment to the protection path segment provided is removed. For the above reasons independent claims 1, 12-14 and their dependent claims 2-11, 15-16 are allowable.

2. Claims 1-16 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melur Ramakrishnaiah whose telephone number is (571)272-8098. The examiner can normally be reached on 9 Hr schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curt Kuntz can be reached on (571) 272-7499. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Melur Ramakrishnaiah/ Primary Examiner, Art Unit 2614